Title (en)

FLUID AND ELECTROLYTE BALANCE MONITORING SYSTEM FOR SURGICAL AND CRITICALLY ILL PATIENTS

Title (de)

ÜBERWACHUNGSANORDNUNG FÜR DAS FLÜSSIGKEUTS- UND ELEKTROLYTGLEICHGEWICHT BEI PATIENTEN IN LEBENSGEFAHR

Title (fr)

SYSTEMES DE SURVEILLANCE DE L'EQUILIBRE DES LIQUIDES ET DES ELECTROLYTES, DESTINE A DES OPERES ET A DES MALADES EN PHASE CRITIQUE

Publication

EP 1028651 A1 20000823 (EN)

Application

EP 98956676 A 19981106

Priority

- US 9823831 W 19981106
- US 96554997 A 19971106

Abstract (en)

[origin: WO9923938A1] The present invention is a computer-based system for tracking a patient's fluid volume, and electrolyte (cation and anion concentration) balances during the period extending from before surgical procedures through the recovery process, which will assist the attending physician in maintaining proper balances in the patient. The system contains automatic sensors (14) for measuring the volumes of fluids administered to and recovered from the patient. The system also preferably contains sensors for measuring electrolyte concentrations in these fluids, and when sensors (14) are not available assists the attending physician in estimating. The system assists the attending physician in creating baseline values for a patient's fluid, electrolyte values, then accounts for the fluids going into and out of the patient to continuously track current values. Out of bounds conditions for these balances, when detected, will cause the system to issue alarms, and make suggestions to the attending physician for remedial action.

IPC 1-7 (main, further and additional classification)

A61B 5/00

IPC 8 full level (invention and additional information)

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CPC (invention and additional information)

G01N 21/69 (2013.01); **A61M 1/0025** (2013.01); **A61M 1/006** (2013.01); **A61M 5/16886** (2013.01); **A61M 5/1723** (2013.01); **G01N 21/62** (2013.01); A61B 5/20 (2013.01); A61B 10/0045 (2013.01); A61M 5/16895 (2013.01); A61M 2205/3375 (2013.01); A61M 2205/3393 (2013.01); A61M 2230/65 (2013.01)

Combination set (CPC)

A61M 2230/65 + A61M 2230/005

Designated contracting state (EPC)

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INPADOC legal status

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